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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/787,388	02/24/2004	Terng Huei Lai	P03155-F002	4797

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BIRCH STEWART KOLASCH & BIRCH
PO BOX 747
FALLS CHURCH, VA 22040-0747

EXAMINER

CAO, CHUN

ART UNIT	PAPER NUMBER
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2115

SHORTENED STATUTORY PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE
3 MONTHS	01/18/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 01/18/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary

Application No.

10/787,388

Applicant(s)

LAI, TERNG HUEI

Examiner

Chun Cao

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 November 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Final Rejection

1. It is hereby acknowledged that the following papers have been received and placed of record in the file: Amendment Dated 11/9/06.
2. Claims 1-8 are presented for examination.
3. The text of those applicable section of Title 35, U.S. Code not included in this action can be found in the prior Office Action.
4. The rejections are respectfully maintained and reproduced infra for applicant's convenience.

Drawings

5. The drawings filed on 11/9/06 are objected. Figures 1-3 should be designated by a legend such as --**Prior Art**-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Hsu et al. (Hsu), U.S. patent no. 6,854,027.

As per claim 1, Hsu teaches a method for detecting and indicating use state of SATA external storage device [fig. 2], comprising the steps of:

providing a SATA external storage device connected to a power input unit [figures 1,2];

measuring a variation of current flown from said power input unit to an SATA storage unit of said SATA external storage device; using said variation of current to drive a driving circuit; and using an indicating circuit to indicate said variation of current at said driving circuit and thereby indicating a use state of said SATA external storage device [fig. 3; col. 1, lines 31-34; col. 3, lines 32-38; col. 4, lines 1-10; col. 5, lines 21-24].

As per claim 2, Hsu teaches that driving circuit is a transformer circuit [fig. 2], which receives said variation of current flown from said power input unit to said SATA storage unit of said SATA external storage device and transforms said variation of current into a voltage adapted to drive said indicating circuit to operate [col. 3, lines 41-45].

As per claim 3, Hsu teaches that driving circuit is a relay circuit, which is adapted to induce a magnetic force for controlling the on or off of a relay in response to the existence of any current flown from said power input unit to said SATA storage unit of said SATA external storage device [col. 3, lines 41-45].

As per claim 4, Hsu inherently teaches driving circuit is a voltage comparator circuit, which uses a resistance to detect changes in voltage between said power input unit and said SATA storage unit of said SATA external storage device, and then uses a comparator to control the on or off of said indicating circuit [col. 3, lines 41-45].

As to claims 5-8 basically are the corresponding elements that are carried out the method of operating steps in claims 1-4. Accordingly, claims 5-8 are rejected for the same reason as set forth in claims 1-4.

7. Applicant's arguments filed 11/9/2006 have been fully considered but are not persuasive.

8. In the remarks, applicant argued in substance that Hsu does not disclose that **the LED lamp is used to indicate the variation of current at the transformer.**

9. The examiner respectfully traverses. There is no claimed language directed to the above limitations; and Hsu teaches the claimed limitation such as "using an indicating circuit to indicate said variation of current at said driving circuit and thereby indicating a use state of said SATA external storage device" [fig. 3; col. 1, lines 31-34; col. 3, lines 32-38; col. 4, lines 1-10; col. 5, lines 21-24].

Also see rejection above.

10. **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 571-272-3664. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jan. 10 2007



**CHUN CAO
PRIMARY EXAMINER**